

IN THE CLAIMS

1 – 75. (Canceled)

76. (New) Solar control glazing comprising:

a substrate made of coloured soda-lime glass composed of main glass-forming constituents and of colouring agents, the substrate being chosen from one of the following (A) through (C):

(A) the coloured glass is a grey-green soda-lime glass composed of main glass-forming constituents and of colouring agents which comprises less than 0.4% by weight of FeO and from 0.9% to 1.8% of Fe₂O₃;

(B) the coloured glass is a green-coloured soda-lime glass which comprises the following percentages by weight of colouring agents,

Fe₂O₃ : 0.7% to 1.3%,

FeO : 0.18% to 0.27%,

Co : 0% to 0.0040%, and

V₂O₅ : 0.0050% to 0.1%;

(C) the coloured glass is a blue coloured soda-lime composed of main glass forming constituents including more than 2% of magnesium oxide, and of colouring agents which comprises more than 1.1% by weight of Fe₂O₃, less than 0.53% by weight of FeO and less than 0.13% of manganese oxide;

a pyrolytic coating deposited on the coloured glass substrate which provides the coated glazing with a decreased light transmission (LT) and a decreased energy transmission (ET) with respect to the light transmission and energy transmission of the uncoated coloured glass,

the coated substrate being further characterized by a light transmission (LT) equal or greater than 25.1% relative to a substrate having a thickness of 4 mm.

77. (New) Solar control glazing comprising:

a substrate made of coloured soda-lime glass composed of main glass-forming constituents and of colouring agents, the substrate being chosen from one of the following (A) through (C):

(A) the coloured glass is a grey-green soda-lime glass composed of main glass-forming constituents and of colouring agents which comprises less than 0.4% by weight of FeO and from 0.9% to 1.8% of Fe₂O₃;

(B) the coloured glass is a green-coloured soda-lime glass which comprises the following percentages by weight of colouring agents,

Fe₂O₃ : 0.7% to 1.3%,

FeO : 0.18% to 0.27%,

Co : 0% to 0.0040%, and

V₂O₅ : 0.0050% to 0.1%;

(C) the coloured glass is a blue coloured soda-lime composed of main glass forming constituents including more than 2% of magnesium oxide, and of colouring agents which comprises more than 1.1% by weight of Fe₂O₃, less than 0.53% by weight of FeO and less than 0.13% of manganese oxide;

a pyrolytic coating deposited on the coloured glass substrate which provides the coated glazing with a decreased light transmission (LT) and a decreased energy transmission (ET) with respect to the light transmission and energy transmission of the uncoated coloured glass,

the coated substrate being further characterized by a solar factor (SF) equal or greater than 33% relative to a substrate having a thickness of 4 mm.

78. (New) Solar control glazing according to Claim 76, wherein the solar factor (SF) of the coated substrate is comprised between 33% and 46.4% relative to a substrate having a thickness of 4 mm.

79. (New) Solar control glazing according to Claim 77, wherein the light transmission (LT) of the coated substrate is comprised between 25.1% and 71.8% relative to a substrate having a thickness of 4 mm.

80. (New) Solar control glazing according to Claim 76, wherein the dominant wavelength of the coated substrate is lower than 487 nm.

81. (New) Solar control glazing according to Claim 77, wherein the dominant wavelength of the coated substrate is lower than 487 nm.

82. (New) Solar control glazing according to Claim 76, wherein the dominant wavelength of the coated substrate is comprised between 484 nm and 486 nm.

83. (New) Solar control glazing according to Claim 77, wherein the dominant wavelength of the coated substrate is comprised between 484 nm and 486 nm.

84. (New) Solar glazing comprising:

a substrate made of blue coloured soda-lime glass composed of main glass-forming constituents including more than 2% of magnesium oxide and of colouring agents which comprises more than 1.1% by weight of Fe_2O_3 , less than 0.53% by weight of FeO and less than 0.13% of manganese oxide;

a pyrolytic coating deposited on the coloured glass substrate which provides the coated glazing with a decreased light transmission and a decreased energy transmission with respect to the light transmission and energy transmission of the uncoated coloured glass,

the coated substrate being further characterized by a solar factor (SF) equal or greater than 33% and a light transmission (LT) equal or greater than 25.1% relative to a substrate having a thickness of 4 mm.